



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): MOSES, Elisha et al.

Examiner:

SMITH, JOHNNIE L

Serial No.: 10/516,407

Group Art Unit: 2881

Filed: December 2, 2004

Title: LOW PRESSURE CHAMBER FOR SCANNING ELECTRON MICROSCOPY
IN A WET ENVIRONMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO/SB/08:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☐ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. _____, filed _____ which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☒ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;
4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

I) ☒ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to of 37 C.F.R §1.97 (b); or

II) ☐ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

2. ☐ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 50-3355.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:

a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 50-3355.

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-3355.

Respectfully submitted,

Caleb Pollack
Attorney/Agent for Applicant(s)
Registration No. 37,912

Dated: December 7, 2006

Pearl Cohen Zedek Latzer, LLP
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Fax: (646) 878-0801

Substitute for form 1449A/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

7

Application Number

10/516,407

Filing Date

December 2, 2004

First Named Inventor

MOSES, Elisha

Art Unit

2881

Examiner Name

SMITH, JOHNNIE L

Attorney Docket Number

P-7448-US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A	US-3,218,459	11-16-1965	Bens	
	B	US-3,378,684	04-16-1968	Mentink et al	
	C	US-3,657,596	04-18-1972	Goetze, et al.	
	D	US-4,037,109	07-19-1977	Hosokawa, et al.	
	E	US-4,071,766	01-31-1978	Kalman, et al.	
	F	US-4,115,689	09-19-1978	Won	
	G	US-4,308,457	12-29-1981	Reimer	
	H	US-4,448,311	05-15-1984	Houser	
	I	US-4,587,666	05-06-1986	Torresi et al.	
	J	US-4,596,928	06-24-1986	Dantlatos	
	K	US-4,609,809	09-02-1986	Yamaguchi, et al.	
	L	US-4,618,938	10-21-1986	Sandland, et al.	
	M	US-4,705,949	11-10-1987	Grimes, II, et al.	
	N	US-4,720,633	01-19-1988	Nelson	
	O	US-4,720,622	01-19-1988	Iwata, et al.	
	P	US-4,880,976	11-14-1989	Mancuso, et al.	
	Q	US-4,929,041	05-29-1990	Vahala, et al.	
	R	US-4,992,662	02-12-1991	Danilatos	
	S	US-5,097,134	03-17-1992	Kimoto, et al.	
	T	US-5,103,102	04-07-1992	Economou, et al.	
	U	US-5,122,663	06-16-1992	Chang, et al.	
	V	US-5,250,808	10-05-1993	Danilatos, et al.	
	W	US-5,323,441	06-21-1994	Torresi, et al.	
	X	US-5,326,971	07-05-1994	Theodore, et al.	
	Y	US-5,362,964	11-08-1994	Knowles, et al.	
	Z	US-5,406,087	4-11-1995	Fujiyoshi, et al.	
	BA	US-5,412,211	05-02-1995	Knowles	
	BB	US-5,466,940	11-14-1995	Litman, et al.	
	BC	US-5,502,306	03-26-1996	Meisburger, et al.	
	BD	US-5,644,132	07-01-1997	Litman, et al.	
	BE	US-5,667,791	09-16-1997	Hersh, et al.	
	BF	US-5,789,748	08-04-1998	Liu, et al.	
	BG	US-5,811,803	09-22-1998	Komatsu, et al.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/516,407
				Filing Date	December 2, 2004
				First Named Inventor	MOSES, Elisha
				Art Unit	2881
(use as many sheets as necessary)				Examiner Name	SMITH, JOHNNIE L
Sheet	3	of	7	Attorney Docket Number	P-7448-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BT	Angulo P., "Nonalcoholic Fatty Liver Disease", N. Engl J. Med, Vol. 346, No. 16, 1221-31, 2002	<input type="checkbox"/>
	BU	Ault K.A. et al. "In-Vivo Biotinylation Demonstrates that Reticulated Platelets are the Youngest Platelets in Circulation", Exp Hematology, 23, 996-1001, 1995.	<input type="checkbox"/>
	BV	Becker, R.P. and Sogard, M., "Visualization of Subsurface Structures in Cells and Tissues by Backscattered Electron Imaging", Scanning Electron Microscopy (II), 835-870, 1979.	<input type="checkbox"/>
	BW	Birks J.B., "The Theory and Practice of Scintillation Counting", Pergamon Press, 1964.	<input type="checkbox"/>
	BX	Bozza P. T. et al., "Pathways for Eosinophil Lipid Body Induction: Differing Signal Transduction in Cells from Normal and Hypereosinophilic Subjects", Journal of Leukocyte Biology, Vol. 64, 563-569, 1998.	<input type="checkbox"/>
	BY	Brockner W. and Pfefferkorn G., "Applications of the Cathodoluminescence Method in Biology and Medicine", Scanning Electron Microscopy Vol. II, 125-132, 1979.	<input type="checkbox"/>
	BZ	Burns W. A. et al., "The Clinician's View of Diagnostic Electron Microscopy", Human Pathology, 6, 467-78, 1975.	<input type="checkbox"/>
	CA	Carlen, B. and Englund, E., "Diagnostic Value of Electron Microscopy in a Case of Juvenile Neuronal Ceroid Lipofuscinosis", Ultrastructural Pathology 25, 285-288, 2001.	<input type="checkbox"/>
	CB	Davison E. & Colquhoun W., "Ultrathin Formvar Support Films for Transmission Electron Microscopy". J. Elec. Microsc. Tech. Vol. 2, 35-43, 1985.	<input type="checkbox"/>
	CC	Cook G.S. & Costreton J.W., "Foley Catheter Biofilm Formation Comparison Study in an In-Vitro Assay", unknown publication date, http://www.bacterin.com/pdf/whitepaper.pdf	<input type="checkbox"/>
	CD	de Assis E. F. et al, "Synergism Between Platelet-Activating Factor-Like Phospholipids and Peroxisome Proliferator-Activated Receptor Gamma Agonists Generated During Low Density Lipoprotein Oxidation that Induces Lipid Body Formation in Leukocytes", The Journal of Immunology, 171, 2090-2098, 2003.	<input type="checkbox"/>
	CE	De Mets M. and Lagasse A., "An Investigation of Some Organic Chemicals as Cathodoluminescent Dyes using the Scanning Electron Microscope" Journal of Microscopy Vol. 94, 151-156, 1971.	
	CF	De Rijk Eveline P.C.T. et al, "A Fast Histochemical Staining Method to Identify Hyaline Droplets in the Rat Kidney", Toxicologic Pathology, Vol XXXI, 462-464, 2003.	

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Sheet	4	of	7	Attorney Docket Number	P-7448-US

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	CG	Dykstra M.J. et al, "Suggested Standard Operating Procedures (SOPs) for the Preparation of Electron Microscopy Samples for Toxicology/Pathology Studies in a GLP Environment", Toxicologic Pathology, Vol XXX, 735-743, 2002.	<input type="checkbox"/>
	CH	Feinerman & Crewe, "Miniature Electron Optics", Advances in Imaging and Electron Physics, Vol. 102, 187, 1998.	<input type="checkbox"/>
	CI	Fisher C. et al., "An Assessment of the Value of Electron Microscopy in Tumor Diagnosis", Journal Clinical Pathology 38, 403-408, 1985.	<input type="checkbox"/>
	CJ	Garman R. H. et al., "Method to Identify and Characterize Developmental Neurotoxicity for Human Health Risk Assessment. II: Neuropathology", Environmental Health Perspective, Vol. 109, 93-100, 2001.	
	CK	Gileadi O. et al, "Squid Sperm to Clam Eggs: Imaging Wet Samples in a Scanning Electron Microscope", Biol. Bull., 205, 177-179, 2003.	
	CL	Goldstein, et al., Scanning Electron Microscopy and X-ray Microanalysis, Plenum Press, New York, London, 1992.	
	CM	Goodpaster B. H. et al., "Skeletal Muscle Lipid Content and Insulin Resistance: Evidence for a Paradox in Endurance-Trained Athletes", The Journal of Clinical Endocrinology & Metabolism 86 (12), 5755-5761, 2001.	
	CN	Grande JP et al., "Renal Biopsy in Lupus Nephritis", Lupus 7, 611-617, 1998.	
	CO	Green E.D.H "Atmospheric Scanning Electron Microscopy" Ph. D Dissertation, Department of Electronic Engineering, Stanford University, 1992	
	CP	Griffiths "Trends in Cell Biology", V. 11 :153-154, 2001.	
	CQ	Gu Xin et al, "The Value of Electron Microscopy in the Diagnosis of IgA Nephropathy", Ultrastructural Pathology 26, 203-210, 2002	
	CR	Gyorkey F. et al., "The Usefulness of Electron Microscopy in the Diagnosis of Human Tumors", Human Pathology 6,421-441, 1975.	
	CS	Handley & Olsen, "Butvar B-98 As A Thin Support Film", Ultramicroscopy Vol. 4, 479-480, 1979.	
	CT	Hard G. C. et al., "Risk Assessment of d-Limonene: An Example of Male Rat-Specific Renal Tumorigens", Critical Reviews in Toxicology, 24 (3), 231-254, 1994.	
	CU	Harris L. G. et al., "Contrast Optimisation for Backscattered Electron Imaging of Resin Embedded Cells", Scanning Microscopy, Vol. 13, No. 1, 71-81, 1999.	

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				Art Unit	2881
(use as many sheets as necessary)				Examiner Name	SMITH, JOHNNIE L
Sheet	5	of	7	Attorney Docket Number	P-7448-US

NON PATENT LITERATURE DOCUMENTS			
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	CV	Hayat, M.A., "Principles and Techniques of Electron Microscopy – Biological Applications", Fourth edition, Cambridge University Press, 2000.	
	CW	Hermann, R., Walther, P. and Müller, M., "Immunogold-labeling in Scanning Electron Microscopy", Histochem. Cell. Biol., 106, 31-39, 1996.	
	CX	Herrera G. A., "The Value of Electron Microscopy in the Diagnosis and Clinical Management of Lupus Nephritis", Ultrastructural Pathology 23, 63-77, 1999.	
	CY	Hoffman-Fezer et al., "Preclinical Evaluation of Biotin Labeling for Red Cell Survival Testing" Annals of Hematology, Vol. 74, 231-238, 1997.	
	CZ	Hollinshead M. et al., "Anti-biotin Antibodies Offer Superior Organelle-specific Labeling of Mitochondria over Avidin or Streptavidin", The Journal of Histochemistry & Cytochemistry, 45 (8), 1053-7, 1997.	
	DA	Hough P.V.C. et al., "Identification Of Biological Molecules in situ at High Resolution via the Fluorescence Excited by a Scanning Electron Beam", Proceedings of the National Academy of Sciences of the United States of America, Vol. 73, No. 2, 317-321, 1976.	
	DB	J.B. Steyn, et al, "An Efficient Spectroscopic Detection System for Cathodoluminescence Mode Scanning Electron Microscopy (SEM)", Journal of Microscopy, Vol. 107, Pt 2, July 1976, pp. 107-128.	
	DC	Kelley D. E. et al, "Dysfunction of Mitochondria in Human Skeletal Muscle in Type 2 Diabetes", Diabetes Vol. 51, 2944-2950, 2002	
	DD	Kelley D. E. et al, "Muscle Triglyceride and Insulin Resistance", Annu. Rev. Nutr. 22, 325-46, 2002	
	DE	Kirkpatrick P., "High-Throughput Screening Birds of a Feather...", Nature Reviews Drug Discovery V. 1, 330, 2002	
	DF	Kristiansen, E. and Madsen, C., "Induction of Protein Droplet (alpha-2 microglobulin) Nephropathy in Male Rats After Short-Term Dosage with 1,8-cineole and l-limonene", Toxicology Letters 80, 147-152, 1995.	
	DG	Lehning E. J. et al, "Gamma-Diketone Peripheral Neuropathy", Toxicology and Applied Pharmacology 165, 127-140, 2000.	
		Levit-Binnun N. et al, "Quantitative Detection of Protein Arrays", Anal. Chem. 75, 1436-1441, 2003	
	DH	LoPachin R. M. et al, "Gamma-Diketone Central Neuropathy: Quantitative Morphometric Analysis of Axons in Rat Spinal Cord White Matter Regions and Nerve Roots", Toxicology and Applied Pharmacology, 193, 29-46, 2003	
	DI	Mathews R.G., "Conditions for Imaging Emulsions in the Environment Scanning Electron Microscope", Scanning, V. 24, 75-85, 2002	

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NON PATENT LITERATURE DOCUMENTS				
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	DJ	McGovern S. L. et al, "A Common Mechanism Underlying Promiscuous Inhibitors from Virtual and High-Throughput Screening", J. Med. Chem, 45, 1712-1722, 2002		
	DH	McIntosh R. J., "Electron Microscopy of Cells: A New Beginning for a New Century", The Journal of Cell Biology, Vol. 153, No. 6, F25-F32, 2001.		
	DI	McKinney W. and Hough Paul V.C., "A New Detector System for Cathodoluminescence Microscopy", Scanning Electron Microscopy, Vol. I, 251-256, 1977.		
	DJ	Mittler, M.A., Walters, B.C. and Stopa, E.G., "Observer Reliability in Histological Grading of Astrocytoma Stereotactic Biopsies", J. Neurosurg 85,1091-1094, 1996.		
	DK	Moriki T. et al, "Activation of Preformed EGF Receptor Dimers by Ligand-induced Rotation of the Transmembrane Domain", J. Mol. Biol. 311, 1011-1026, 2001.		
	DL	Muskhelishvili L. et al, "An Immunohistochemical Label to Facilitate Counting of Ovarian Follicles", Toxicologic Pathology, Vol XXX, 400-402, 2002.		
	DM	Nyska A. et al, "Biocompatibility of the Ex-PRESS Miniature Glaucoma Drainage Implant", Journal of Glaucoma, Vol XII, 275-280, 2003.		
	DN	Pacheco P. et al, "Lipopolysaccharide-Induced Leukocyte Lipid Body Formation In Vivo: Innate Immunity Elicited Intracellular Loci Involved in Eicosanoid Metabolism", The Journal of Immunology, 169, 6498-6506, 2002		
	DO	Petersen K. F. et al, "Mitochondrial Dysfunction in the Elderly: Possible Role in Insulin Resistance", Science, Vol. 300, 1140-1142, 2003		
	DP	Prescott-Mathews J. S., et al., "Methyl tert-Butyl Ether Causes alpha2u-Globulin Nephropathy and Enhanced Renal Cell Proliferation in Male Fischer-344 Rats", Toxicology and Applied Pharmacology, Vol. 143, 301-314, 1997.		
	DQ	Robinson V.N.E., "The Examination of Hydrated Specimens in Electron Microscopes", Analysis of organic and biological surfaces, P. Echlin, 191-207, John Wiley and Sons, New York, 1984.		
	DR	Sedar, A.W., Silver, M.J. and Ingerman-Wojenski, C.M., "Backscattered Electron Imaging to Visualize Arterial Endothelial Detachment in the Scanning Electron Microscope", Scanning Electron Microscopy, Vol II, 969-74, 1983.		
	DS	Shulman G. I., "Cellular Mechanisms of Insulin Resistance", The Journal of Clinical Investigation, Vol. 106, No. 2, 171-176, 2000.		
	DT	Singer I. I. et al. "CCR5, CXCR4 and CD4 Are Clustered and Closely Apposed on Microvilli of Human Macrophages and T Cells", Journal of Virology, Vol. 75, No. 8, 3779-3790, 2001.		
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Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/516,407
				Filing Date	December 2, 2004
				First Named Inventor	MOSES, Elisha
				Art Unit	2881
(use as many sheets as necessary)				Examiner Name	SMITH, JOHNNIE L
Sheet	7	of	7	Attorney Docket Number	P-7448-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	DV	Swift & Brown, J. Phys. E: Sci. Instrum. 3, 924-926, 1970.	
	DW	Thornley, "New Applications of the Scanning Electron Microscope", Ph. D Dissertation 3886, Corpus Christi College, Cambridge, 1960	
	DX	Tucker, J.A., "The Continuing Value of Electron Microscopy in Surgical Pathology" , Ultrastructural Pathology, Vol. 24,383-9, 2000.	
	DY	Weisberg S. P et al, "Obesity is Associated with Macrophage Accumulation in Adipose Tissue", Journal of Clinical Investigation, Vol. 112 No. 12, 1796-1808, 2003	
	DZ	Wellen K. E. et al, "Obesity-Induced Inflammatory Changes in Adipose Tissue", The Journal of Clinical Investigation, Vol. 112 No. 12, 1785-88, 2003	
	EA	Weller P.F. et al., "Cytoplasmic Lipid Bodies of Neutrophils: Formation Induced by cis-Unsaturated Fatty Acids and Mediated by Protein Kinase C", The Journal of Cell Biology, Vol. 113, No. 1, 137-146, 1991.	
	EB	Xu H. et al "Chronic Inflammation in Fat Plays a Crucial Role in the Development of Obesity-Related Insulin Resistance", Journal of Clinical Investigation, Vol. 112 No. 12, 1821-30, 2003	
	EC	Schlessinger J., "Ligand-Induced, Receptor-Mediated Dimerization and Activation of EGF Receptor", Cell Vol. 110, 669-672, 2002	

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